



科技创造未来/实力铸就品牌

金悦宏电路

踔厉奋发新征程，笃行不怠向未来

Inspired to embark on a new journey, steadfastly committed to the future

珠海金悦宏电路技术有限公司
Zhuhai Jinyuehong Circuit Technology Co., Ltd.

科技创造未来/实力铸就品牌

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PART 01
关于我们
ABOUT US

科技创造未来/实力铸就品牌



Zhuhai Jinyuehong Circuit Technology Co., Ltd. is a continuation of Shenzhen Goldenboard Circuit Co., Ltd. Company was established in 2015 and took root in Shenzhen, after 8 years precipitation and development, the scale of business continuously expanding, and our products and services have been unanimously recognized by upstream customers. The reasons of our relocation was to gain more room to grow in future and to optimize customer satisfaction for world wide Customers. We acquire state-of-the-art technologies and equipment in a regular basis. Leverage technical management concept, providing fast and on-time delivery services, and seeks to establish long-term partnerships with customers.

We have enough experience and technological know-how in PCB manufacturing & solutions, and our sales team is equipped with professional engineering skills. Goldenboard continues to provide high quality of our products and keep continuous growth, and we invest a lot of resources and budgets to continuously obtain the most advanced technology and equipment, which aimed to improve our production efficiency, save cost for customers, and strive to improve the Customer's satisfaction in global market.

珠海金悦宏电路技术有限公司是深圳市金悦宏电路有限公司的延续。金悦宏成立于2015年，扎根深圳，经过8年时间的沉淀和努力发展，规模不断扩大，产品和服务，口碑获得上游客户一致认可。我们搬迁原因是为了更大的发展空间，为全球的客户提供提高满意度。公司采用更先进的设备，技术管理方式，快速与准时交付服务，寻求与客户建立长期合作伙伴关系。

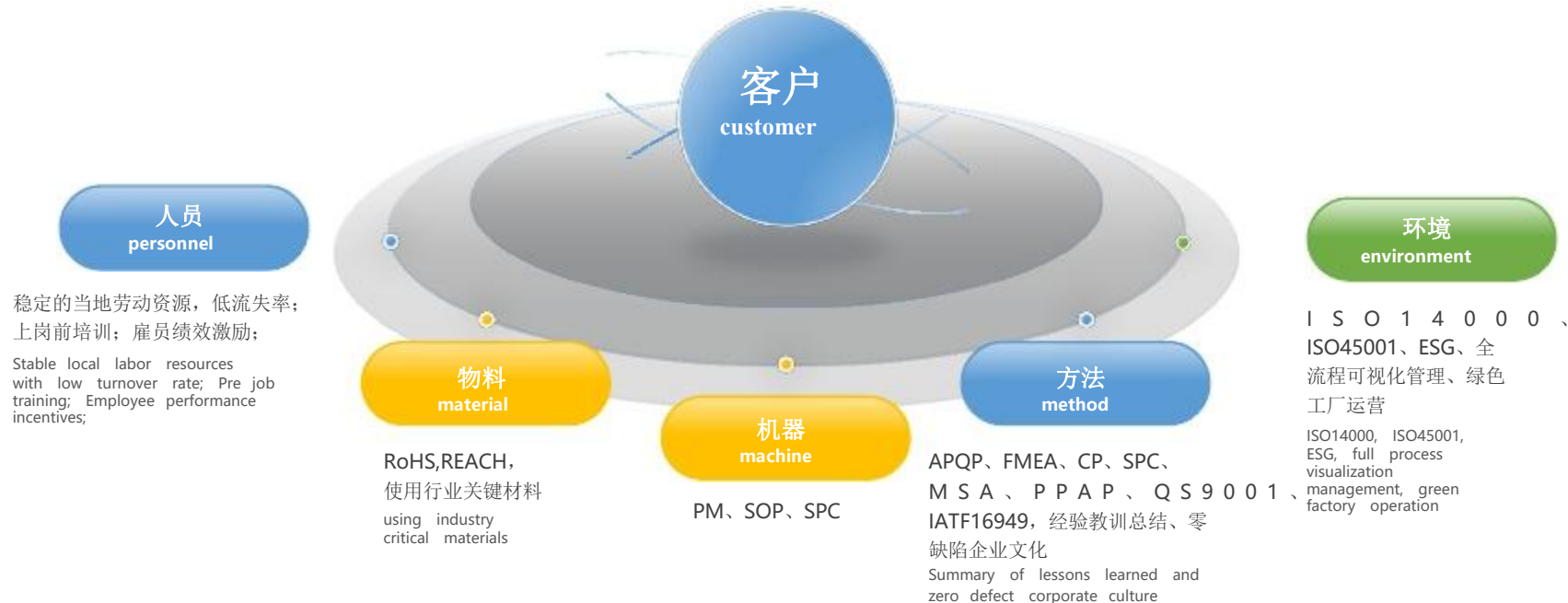
我们拥有丰富经验的 PCB 制造与解决方案，在公司销售团队配备了专业的工程技能人才。公司在不断的成长中一如继往地保持我们产品的高质量要求标准，每年公司投入大量资源与预算，不断在行业了解和获取最先进的技术和设备，提升我们的生产效能，为客户节省每一分的成本，努力提高全球客户的满意度。

➤ 质量是基础、服务是宗旨、客户是核心

Quality is the foundation, service is the purpose, and customers are the core

我们以客为尊，致力不断提升我们的质量和服务为我们的宗旨。

We are providing products and service in customer-oriented way, we are committing to improving our quality and service continuously as our purpose.



➤ 企业愿景 CORPORATE VISION

将公司打造成世界一流品牌

To build world class loyalty

➤ 企业使命 CORPORATE MISSION

为客户提供最好、最满意的产品和服务

Provide the best products and services to Customers



➤ 团队合作 TEAM SPIRIT

我们团队有共同的目标，透过ERP及相关工作群上做到实时资源，知识，信息等共享。团队通过日常会议和团建活动不断维护，成就出个人对团队的归属感。

Our team has a common goal of sharing resources, knowledge, information, etc. through ERP and related working groups. The team spirit is constantly maintained through daily interacting and team building activities, which creates sense of belonging for individuals staff.

➤ 持续进步 CONTINUOUS IMPROVEMENT

世界不断变化，我们鼓励员工保持良好心态，以沟通对话，思考多元化来应对变化。这应用于工厂内，我们不仅知道我们在做什么，其实也关乎到我们如何去做，这样的核心让我们更容易去选择企业不断前行之路。

World is constantly changing, and we encourage our employees to keep up a good state of mind, through dialogue and diversity to face with changes. This is our general practise, we are not only know what we are doing, but in fact it is also related to how we do it, and this core makes it easier for us to choose the path to keep moving forward.

➤ 诚信正直 INTEGRITY

我们推崇每人都要对自己的道德行为负责，这并不是一个简单的规则，而我们视为切实可用，增加工作效益的资源 and 核心价值。

We advocate that each of us is responsible for our own ethical behavior, which is not a simple rule, but a resource and core value that we see as practical and useful to increase the effectiveness of our work.

➤ 创新思维 INNOVATION

工作中我们持开放态度，鼓励员工提出想法和建议，并作出奖励机制，通过培训和教育推动开放而创新的文化观念。我们也创立创新项目，用于尝试新的想法做法和概念。

We all keep open-minded, encourage staffs to come up with new ideas and suggestions, and provide incentives to promote any creative innovative ideas. Through training and education, promote an open and innovative cultural concept. We also set up innovative items in project base and to try out new ideas, practices and concepts in our work.

➤ 珍惜资源 CHERISH RESOURCES

我们一直倡导珍惜资源，拒绝浪费，共创 和谐组织架构。现代社会日益严重的资源短缺，生态危险，我们牢固树立和贯彻落实以可持续发展为我们的核心，确立人与自然和谐共存的生态价值观。

We always advocate "cherishing resources" and "Go green", refuse of wasting, and establishing a harmonious organizational structure in company. In view of the increasing shortage of resources and ecological danger in modern society, we firmly implement the ecological values of "sustainability" as our core and establish the harmonious coexistence of man and nature.



➤ 贯彻三个方针，客户满意为使命，善用资源，促进可持续发展。

Highlighted and implemented three principles, customer satisfaction as the mission, effectively utilization of resources, and promote sustainability.

➤ 质量方针、环保方针、**ESG** 企业可持继发展方针。

我们明白绿色地球对人类将来的重要性，除了保证质量，准时交付努力达到客户需求外，我们也要对环境保护，履行社会责任和公司治理的思路出力。

Quality policy, environmental protection policy, and ESG enterprise sustainability policy. in addition to ensuring quality, on-time delivery and meet customer's satisfaction. We realized that a green earth is the most important things to human future, we would contribute to environmental protection, social responsibility and corporate governance

三个方针



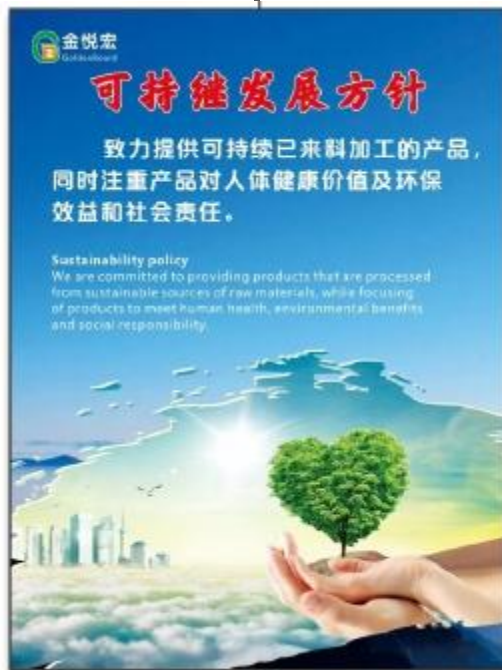
金悦宏
GoldenBoard

质量方针

追本溯源 技术为本
质量至上 精益求精

Quality policy
Tracing back to the source, Technology based,
Quality-oriented, Strive for perfect produces.

The poster features a blue background with a large diamond being held by a pair of tweezers, symbolizing precision and quality.



金悦宏
GoldenBoard

可持续发展方针

致力提供可持续已来料加工的产品，
同时注重产品对人体健康价值及环保
效益和社会责任。

Sustainability policy
We are committed to providing products that are processed
from sustainable sources of raw materials, while focusing
of products to meet human health, environmental benefits
and social responsibility.

The poster features a green background with a hand holding a small tree, symbolizing environmental care and sustainability.



金悦宏
GoldenBoard

环保方针

无烟减碳 珍惜资源
遵守法规 持续发展
爱护环境 人人有责

Environmental protection policy
Take smoke-free and reduce carbon, Cherish resources,
Compliance to Government laws and regulations, continue
to grow, enhance company sustainability, Care for the
environment as all staffs responsibility.

The poster features a green background with a globe and a city skyline, symbolizing environmental protection and global responsibility.



2015年

深圳金悦宏电路有限公司公司成立
Shenzhen goldenboard established

2018年

UL, QS9001认证通过
UL Approval, QS9001.

2020年

高密度互连R-FPCB生产
High-Density Interconnect R-FPCB
Production

2022年

筹备新工厂
Prepare for factory expansion

2023年

搬迁到珠海新工厂
Factory expansion and
relocated to ZhuHai

2016年

厂房面积扩建30%，添
置自动光学检测设备，同
期添购激光直接成像设备
Shop floor area expanded
30%, Installed Auto Optical
Inspection machine and
Laser Direct Imaging

2017年

ISO9001认证通过，同期
香港附属公司“金悦宏(国
际有限公司)”成立
ISO9001 certified. Hong Kong
subsidiary Golden
Boards(International) LTD
founded.

2019年

微细BGA, 盲埋孔批量生产,
高密度互连“HDI”批量生产
Micro BGA, Blind and Buried Via Mass Production,
High-Density Interconnect (HDI) Mass Production

2021年

厂房面积扩建100%，产能提升100%，
添置多项高端自动化设备
IATF 16949 认证通过，获得国家高
新技术企业证书
Shop floor expanded 100%, further
investment on high end equipment.
IATF 16949 certified, High-tech enterprise
certification



2023年 工厂迁址至珠海平沙电子电器工业园，厂房面积比深圳工厂大5倍，产量提升200%。

In 2023, our factory relocated to Zhuhai Pingsha Electronic and Electrical Industrial Park, existing working area is 5 times larger than Shenzhen factory, and the throughput increased by 200%.



PART 02

企业实力

ENTERPRISE STRENGTH

科技创造未来/实力铸就品牌



我们拥有丰富经验的团队，崭新的管理理念,加上先进生产设备。企业文化根深蒂固,并得到行业相关认证,能处理中、小以及大批量订单，24小时快速交付，同时有量产软硬结合、高端HDI Anylayer（任意层互连）和高频电路板，满足各行各业的需求。

We built our teams with experience staffs, innovative management concept, and advanced production equipment. Company culture is deep-rooted, and we has to have industry-related certifications, can handle medium, small and large volume orders, 24-hour fast turn around products, and can manage mass production of rigid PCB, rigid-flex PCB, high-end HDI Anylayer (High Density interconnection) and high-frequency circuit boards, where we can suitable for all industrial demand .



ISO 14001 证书
ISO 14001 certification



ISO 45001 证书
ISO 45001 certification



ISO 9001 证书
ISO 9001 certification



UL 证书
UL Certification



IATF16949 证书
IATF16949 certification

◆ 国家高新技术企业证书 (已在申请)
China high-tech enterprise certificate (Reapplied)

◆ ESG证书 (计划2025年)
ESG certification (Plan for 2025 year)

战略合作伙伴 strategic partner



TOPBAND 拓邦



Sunlord
EXPERT IN PASSIVE PARTS



Maxonic 万讯



DIRUI 迪瑞



DJN 帝晶光电

SIEMENS



LuXshare
立讯精密工业

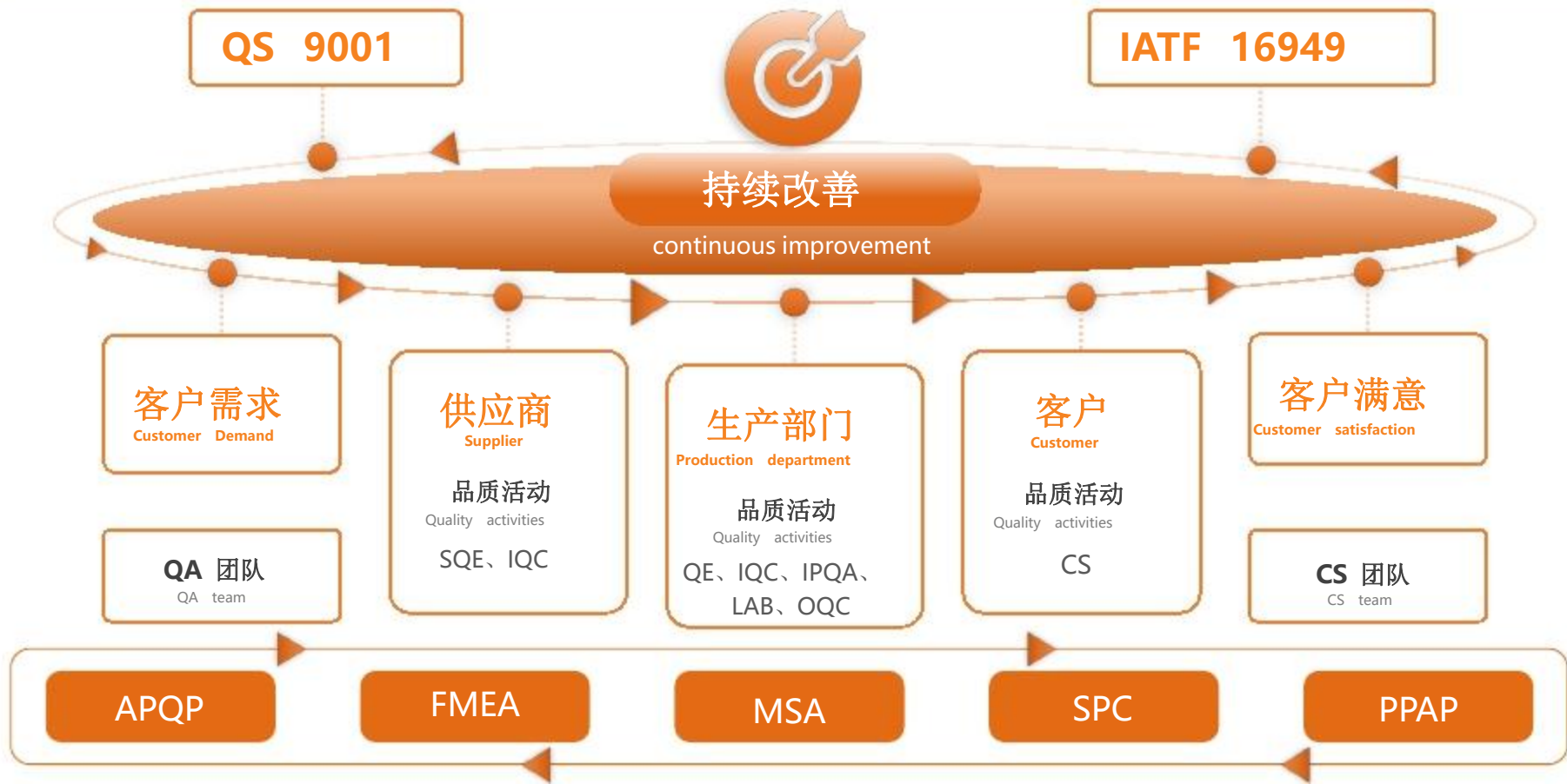


JABIL
捷普集团

mindray 迈瑞

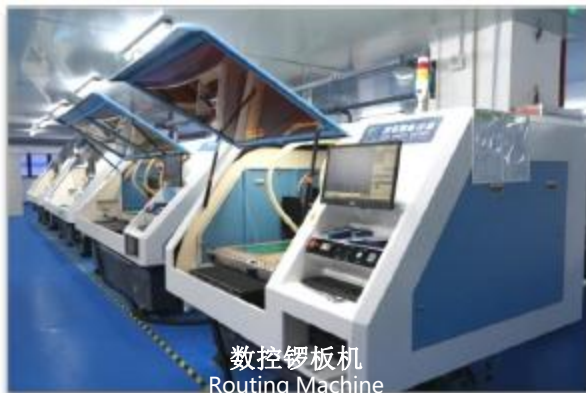
| 项目 Items | | 正常能力 Normal capability | 先进能力 Advance capability |
|-------------------------------------|--------------------|------------------------|-------------------------|
| Inner core thickness 内层芯板厚度 | Min | 0.1mm | 0.1mm |
| | Max | 2.0mm | 3.0mm |
| Conductor width and spacing 线宽线距 | Inner(1/3 or HOZ) | 3/3mil +/-20% | 2/2mil +/-10% |
| | Outer(1/3 or HOZ) | 3/3mil +/-20% | 2/2mil +/-10% |
| 阻抗控制 Impedance control | --- | +/-10% | +/-5% |
| 铜厚 Copper thickness | Max | 3/3Oz | 4/4Oz |
| 完成板厚 Board thickness | Max | 8.0mm | 8.0mm |
| 完成板厚公差 Board thickness tolerance | >2.0mm and <3.0mm | +/-0.18mm | +/-8% |
| | >1.0mm and <=2.0mm | +/-0.13mm | +/-8% |
| | <=1.0mm | +/-0.10mm | +/-0.05mm |
| 层数 Layer count | Max | 40 layers | 64 layers |
| | 4 layers | 7mil | 6mil |
| | 6 layers | 8mil | 6.5mil |
| | 8 layers | 8mil | 7mil |
| 最小孔径 Finished Holesize | Min drill bit | 6mil | 3mil |
| 纵横比 Aspect ratio | Max | 10:1 | 12:1 |
| 字符宽度 Legend mark width | --- | 5mil | 4mil |
| V-cut 余厚 V-cut remain thickness | --- | +/-4mil | +/-3mil |

| 项目 Items | | 正常能力 Normal capability | 先进能力 Advance capability |
|---|---------------------|----------------------------------|----------------------------------|
| Soldermask 绿油 | Linetopad | 3mil | 2mil |
| | Soldermaskbridge | 3mil | 3mil |
| | S/Mbridge(blackink) | 5mil | 4mil |
| | Registration | 2mil | 1.5mil |
| 插件孔 Insertion hole | Size | +/-3mil | +/-2mil |
| 压配孔 Pressfit hole | Size | +/-2mil | +/-2mil |
| 孔位公差 Hole Positional tolerance | Positional | +/-3mil | +/-2mil |
| 非电镀孔完成公差 NPTH hole | Size | +/-2mil | +2/-0 or +0/-2mil |
| 外形公差 Profiling tolerance | --- | +/-5mil | +/-4mil |
| Board Thickness 板厚 | Min | 0.4mm | 0.04mm |
| | Max | 2.4mm | 4.0mm |
| 盲孔类型 Blind Vias Types | --- | 1+N+1, BVH | 2+N+2, BVH |
| Hole size for Resin Plugged holes 树脂塞孔最小孔径 | Min | 0.15mm | 0.08mm |
| | Max | 0.8mm | 1.5mm |
| Hole size for Copper filling 孔铜回填最小孔径 | Min | 0.08mm | 0.08mm |
| | Max | 0.5mm | 0.5mm |
| 镭射钻孔大小 Laser drill size | --- | 0.07mm | 0.15mm |
| 特殊工艺 | --- | 埋盲孔、台阶槽、金属基板、埋阻埋容、混压、软硬结合、背钻、金手指 | 埋盲孔、台阶槽、金属基板、埋阻埋容、混压、软硬结合、背钻、金手指 |

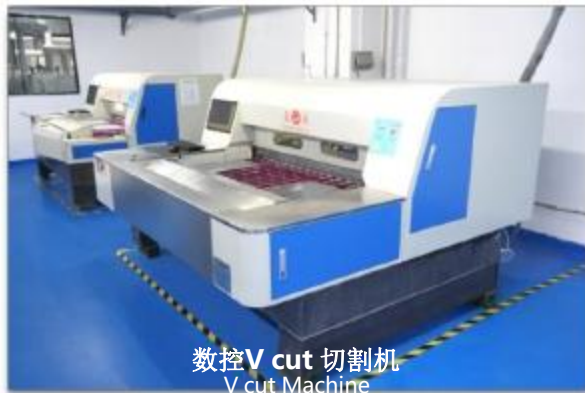








数控锣板机
Routing Machine



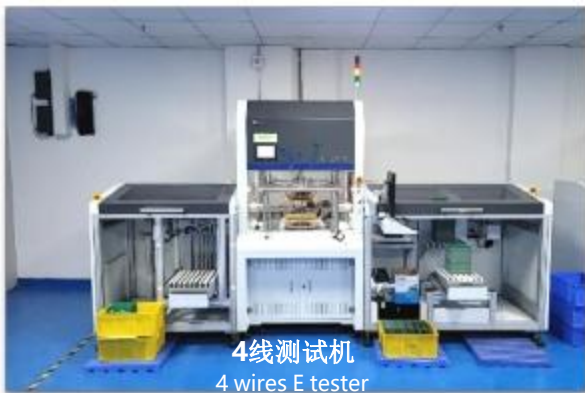
数控V cut 切割机
V cut Machine



全自动电测机
Etester with auto loaded & unloaded



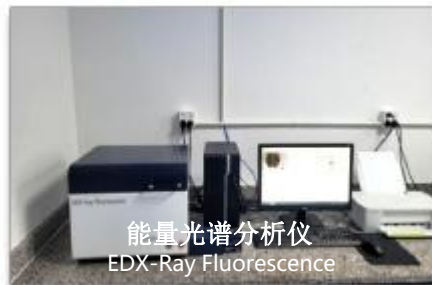
飞针测试机
Flying probe Etester



4线测试机
4 wires E tester



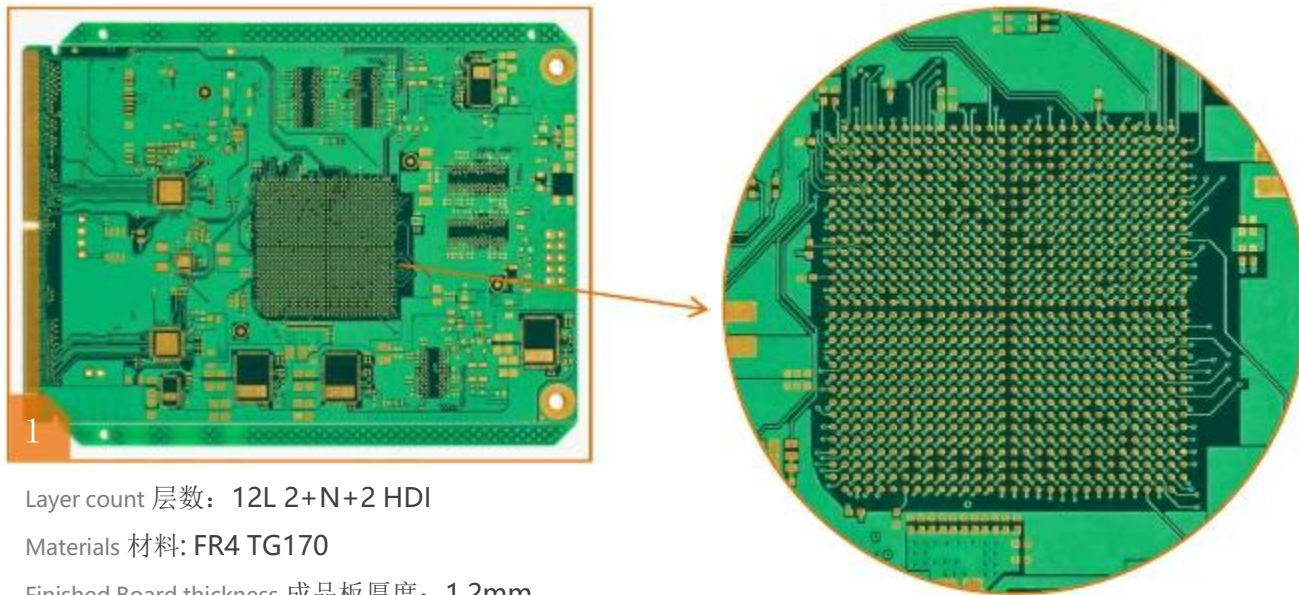
成品光学检查机
Auto Visual inspection for finished product





PART 03
产品介绍
PRODUCT INTRODUCTION

科技创造未来/实力铸就品牌



Layer count 层数: 12L 2+N+2 HDI

Materials 材料: FR4 TG170

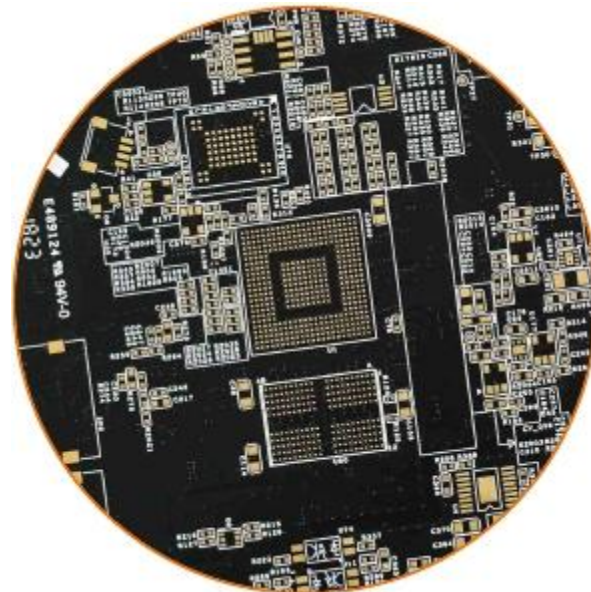
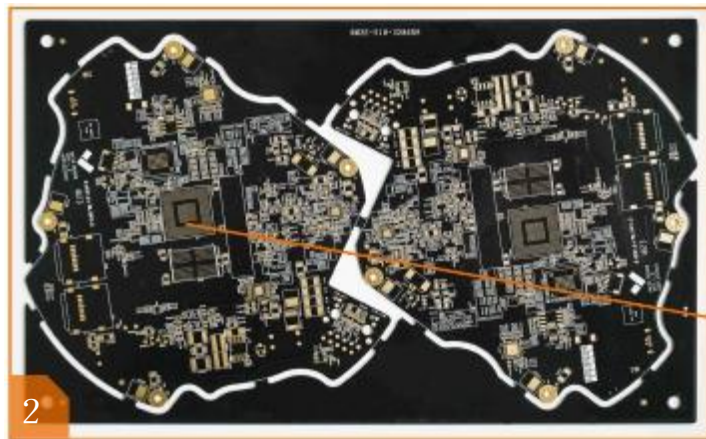
Finished Board thickness 成品板厚度: 1.2mm

Min. hole size 最小孔尺寸 : 0.20mm

Min. trace width / spacing 最小线宽/间距: 0.075mm/ 0.075mm

Surface treatment 表面处理: Immersion Gold 2u"

Product features 产品特点 : Laser drill holes, Copper filling blind vias, BGA size 0.25mm



Layer count 层数: 10L 2+N+2 HDI

Materials 材料: FR4 TG170

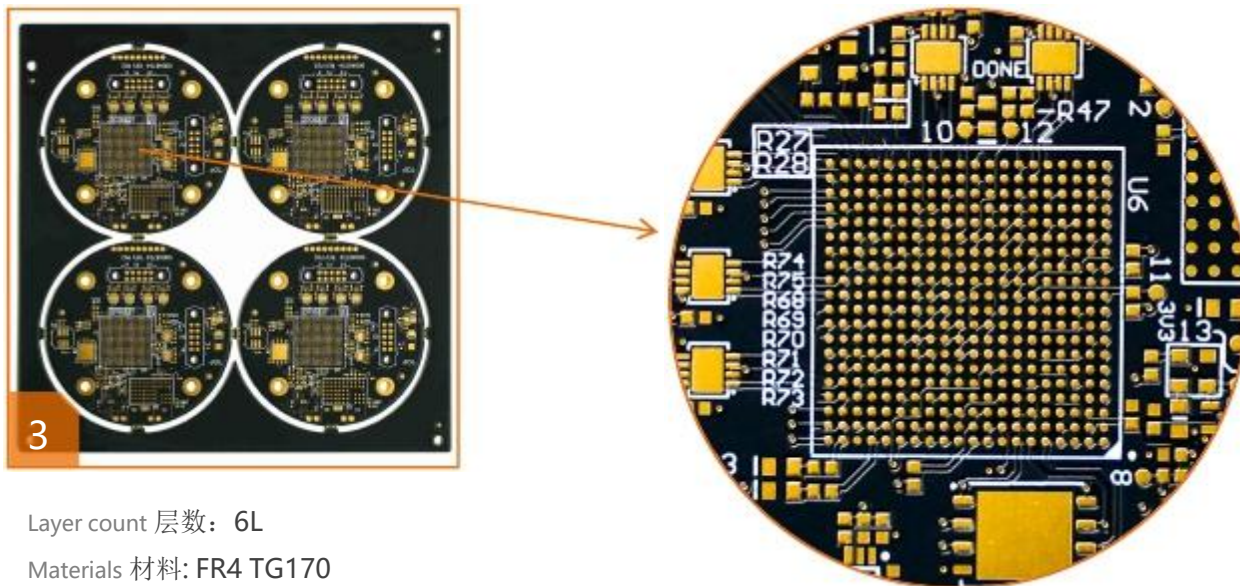
Finished Board thickness 成品板厚度: 1.6mm

Min. hole size 最小孔尺寸 : 0.20mm

Min. trace width / spacing 最小线宽/间距: 0.085mm/ 0.085mm

Surface treatment 表面处理: Immersion Gold 2u"

Product features 产品特点 : Impedance control, BGA size 0.25mm



3

Layer count 层数: 6L

Materials 材料: FR4 TG170

Finished Board thickness 成品板厚度: 1.6mm

Min. hole size 最小孔尺寸 : 0.20mm

Min. trace width / spacing 最小线宽/间距: 0.15mm/ 0.11mm

Surface treatment 表面处理: Immersion Gold 2u"

Product features 产品特点 : Via In Pads, Resin plugged holes, BGA

4



Layer count 层数: R-FPCB 8L 2+N+2

Materials 材料: TG150+FPC

Finished Board thickness 成品板厚度: 1.0mm

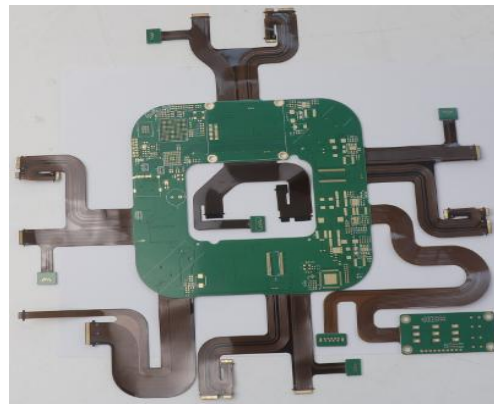
Min. hole size 最小孔尺寸: 0.20mm

Min. trace width / spacing 最小线宽/间距: 0.08mm/ 0.1mm

Surface treatment 表面处理: Immersion Gold 2u"

Product features 产品特点: 激光钻孔 阻抗
宝马方向盘 软板长度超限

5



Layer count 层数: R-FPCB 10L1+N+1 2介

Materials 材料: TG170+FPC

Finished Board thickness 成品板厚度: 1.6mm

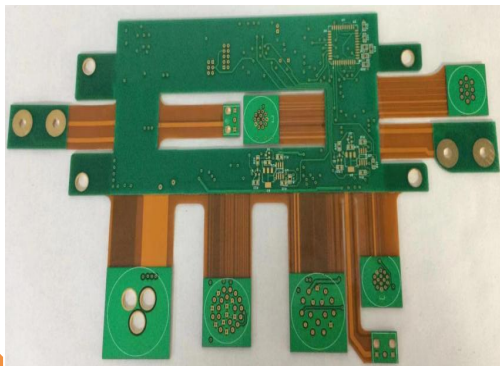
Min. hole size 最小孔尺寸: 0.20mm

Min. trace width / spacing 最小线宽/间距: 0.1mm/ 0.1mm

Surface treatment 表面处理: Immersion Gold 2u"

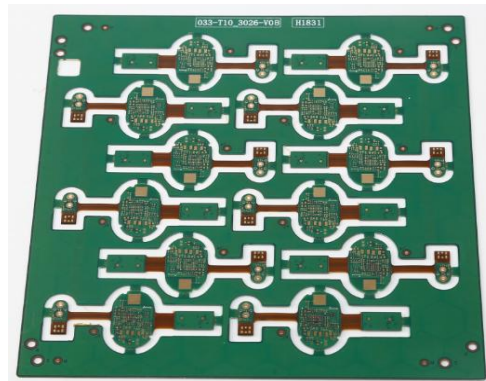
Product features 产品特点: 激光钻孔 阻抗
军工控制器 形状怪异

6



Layer count 层数: R-FPCB 12L 2+N+2
Materials 材料: TG180+FPC
Finished Board thickness 成品板厚度: 1.6mm
Min. hole size 最小孔尺寸: 0.10mm
Min. trace width / spacing 最小线宽/间距: 0.1mm/ 0.1mm
Surface treatment 表面处理: Immersion Gold 2u"
Product features 产品特点: 镭射钻孔 HDI 3介
工业工控 软板结构不对称

7

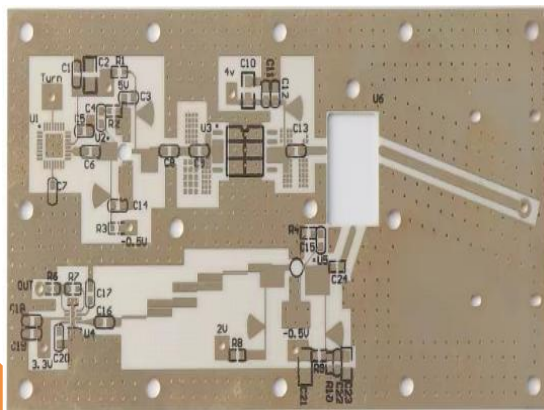


Layer count 层数: R-FPCB 8L 2+N+2
Materials 材料: TG170+FPC
Finished Board thickness 成品板厚度: 0.8mm
Min. hole size 最小孔尺寸: 0.10mm
Min. trace width / spacing 最小线宽/间距: 0.085mm/ 0.085mm
Surface treatment 表面处理: Immersion Gold 2u"
Product features 产品特点: 镭射钻孔 阻抗
华为耳机 任意互联



陶瓷板金属化

在很多需要散热的大电流，大散热需求的领域如LED领域、大功率半导体模块、半导体致冷器、电子加热器、IGBT功率控制电路、功率混合电路、智能功率组件，高频开关电源、固态继电器、汽车电子，航天航空及军用电子组件；新能源太阳能电池板组件等



高频板

常用于汽车防撞系统、卫星系统、无线电系统等领域。电子设备高频化是发展趋势。

金悦宏电路技术有限公司



科技创造未来/实力铸就品牌

THANKS

踔厉奋发新征程，笃行不怠向未来

Inspired to embark on a new journey, steadfastly committed to the future

珠海金悦宏电路技术有限公司
Zhuhai Jinyuehong Circuit Technology Co., Ltd.